

What is claimed is:

1. A hermetic motor-driven compressor comprising:

a compressing element;

5 a motor element for driving said compressing element, said motor element having at least one linear section formed along an outer circumferential surface thereof and at least one through hole disposed in the vicinity of the outer circumference;

10 a substantially cylindrical hermetic container in which said compressing element and said motor element are axially arranged and housed;

a first gas passage that is formed by a space between said linear section along the circumferential surface of said motor element and an inside wall surface of said hermetic container and allows
15 passage of compressed gas discharged from said compressing element within said hermetic container; and

a second gas passage formed in parallel with said first gas passage that allows passage of compressed gas, said second passage comprising the through hole in said motor element;

20 wherein the through hole in said motor element constituting said second gas passage is disposed outside of a smallest circle that is inscribed in the notch formed along said motor element and is concentric with said motor element.

25 2. The hermetic motor-driven compressor as set forth in Claim 1, wherein the through hole constituting said second gas passage is shaped like a bow, an outer periphery of the bow shape is like an arch that has a curvature larger than a curvature of the outer circumference

of said motor element, and an inner periphery of the bow shape is like one of a line and an arc that has a radius larger than a radius of the inscribed circle.